

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 01/03/2018 09:51 AM
Cytometer Baseline: 10/18/2017 09:13 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124773	-1	1.56	124604	1.53
Blue	F	SSC	125000	123724	-2	3.23	124025	3.09
Blue	E	FITC	23615	22941	-3	2.56	1027	10.35
Blue	D	PE	26739	26503	-1	2.13	954	10.30
Blue	B	PerCP-Cy5-5	48339	47613	-2	3.68	1368	17.60
Blue	A	PE-Cy7	45021	44705	-1	5.42	695	36.34
Red	C	APC	53064	52739	-1	2.74	3029	9.33
Red	A	APC-Cy7	57175	56337	-2	2.70	1178	11.26
Violet	B	V450	14728	14226	-4	5.17	676	9.87
Violet	A	V500	58621	57976	-2	5.09	2566	7.36

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19265	2.86	608	-6	N/A	N/A	Pass
Blue	F	SSC	61254	1.50	550	4	N/A	N/A	Pass
Blue	E	FITC	113	40.59	545	-3	0.0206	220	Pass
Blue	D	PE	207	29.07	537	1	0.1344	166	Pass
Blue	B	PerCP-Cy5-5	215	44.76	635	0	0.0091	25	Pass
Blue	A	PE-Cy7	75	121.79	694	1	0.0113	15	Pass
Red	C	APC	349	28.45	597	0	0.0213	139	Pass
Red	A	APC-Cy7	128	40.81	579	-1	0.0054	1607	Pass
Violet	B	V450	83	44.31	463	-7	0.0438	2092	Pass
Violet	A	V500	186	23.57	491	-6	0.0138	456	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.30	-30.90	0.96
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.35
Red	17.14	14.40 - 21.60	N/A	N/A	30.79	31.21	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9837

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments